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NOTICE OF ALLOWANCE AND FEE(S) DUE

24737

7590

08/31/2009

PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510 EXAMINER

RUSH, ERIC

ART UNIT PAPER NUMBER

2624 DATE MAILED: 08/31/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,221	02/03/2006	Babak Movassaghi	DE030290US1	9537

TITLE OF INVENTION: DEVICE AND METHOD FOR GENERATING A THREE DIMENSIONAL VASCULAR MODEL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE EEE and PURI ICATION EEE (if required). Blocks 1 through 5 should be completed where

maintenance fee notifica	tions.						correspondence address as trate "FEE ADDRESS" for or domestic mailings of the	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				(s) Transmittal This	s certific	cate cannot be used f	or any other accompanying or the or formal drawing, must	
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P.O. BOX 3001	ELLECTUAL PRO MANOR, NY 10510	OPERTY & STAN	Stat	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
							(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTOR	NEY DOCKET NO.	CONFIRMATION NO.	
10/567,221	02/03/2006	•	Babak Movassaghi	saghi DE030290US1		E030290US1	9537	
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	11/30/2009	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS]				
RUSH	*	2624	382-128000					
1. Change of correspond CFR 1.363).	ence address or indicatio	n of "Fee Address" (37	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys 1					
	ondence address (or Cha B/122) attached.	ange of Correspondence	or agents OR, alternati	vely,	attorne			
_	ication (or "Fee Address		(2) the name of a single registered attorney or a	igent) and the name	es of up	to		
PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	I ГНЕ PATENT (print or ty _l	pe)				
PLEASE NOTE: Uni	less an assignee is ident	ified below, no assignee	data will appear on the p T a substitute for filing an	atent. If an assigne	ee is ide	entified below, the de	ocument has been filed for	
(A) NAME OF ASSI	•	prediction of this form is two	(B) RESIDENCE: (CITY	· ·	OUNTR	RY)		
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Please check the appropr	rate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co.	rporatio	n or other private gro	oup entity Government	
4a. The following fee(s)	are submitted:	41	D. Payment of Fee(s): (Plea	ise first reapply an	y previo	ously paid issue fee	shown above)	
☐ Issue Fee☐ Publication Fee (N	No small entity discount p	permitted)	☐ A check is enclosed.☐ Payment by credit car	d. Form PTO-2038	is attacl	hed.		
	# of Copies		The Director is hereby overpayment, to Depo				ficiency, or credit any n extra copy of this form).	
5. Change in Entity Sta	tus (from status indicate	d above)	overpayment, to Depo	isit Account Numbe	T	(eliciose a.	ii extra copy of this form).	
	s SMALL ENTITY state		☐ b. Applicant is no lon	ger claiming SMAL	L ENTI	ITY status. See 37 Cl	FR 1.27(g)(2).	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other than t Office.	he applicant; a regis	stered at	torney or agent; or th	ne assignee or other party in	
Authorized Signature				Date				
Typed or printed name				Registration N	o			
This collection of informan application. Confiden	nation is required by 37 C tiality is governed by 35	CFR 1.311. The information U.S.C. 122 and 37 CFR	on is required to obtain or i 1.14. This collection is est	etain a benefit by the imated to take 12 n	ne public	which is to file (and to complete, including	by the USPTO to process)	
submitting the completed this form and/or suggest	d application form to the ions for reducing this bu	USPTO. Time will vary rden, should be sent to the	depending upon the indiverse Chief Information Office	ridual case. Any corer, U.S. Patent and	mments Tradema	on the amount of tin ark Office, U.S. Depart	ing gathering, preparing, and me you require to complete artment of Commerce, P.O.	
Box 1450, Alexandria, V Alexandria, Virginia 223	/irginia 22313-1450. DC	O NOT SEND FEES OR	COMPLETED FORMS TO	O THIS ADDRESS	. SEND	TO: Commissioner	for Patents, P.O. Box 1450.	

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/567,221	02/03/2006	Babak Movassaghi	DE030290US1 9537		
24737 75	590 08/31/2009		EXAMINER		
PHILIPS INTEL	LECTUAL PROPER	RUSH, ERIC			
P.O. BOX 3001		ART UNIT	PAPER NUMBER		
BRIARCLIFF MA	NOR, NY 10510		2624		
		DATE MAILED: 08/31/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 218 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 218 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/567,221	MOVASSAGHI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ERIC RUSH	2624	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the amendments and 2. The allowed claim(s) is/are 1-5,7-10,12,13,15 and 17-19 (Note: 1.5).	(OR REMAINS) CLOSED i or other appropriate comm GHTS . This application is and MPEP 1308. remarks filed 1 July 2009.	n this application. If not included unication will be mailed in due course	
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Application	on No	om the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirem	ents
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			∃ OF
5. \square CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) I including changes required by the Notice of Draftspers	•	w (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
 (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) 			of
each sheet. Replacement sheet(s) should be labeled as such in t			OI.
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			e
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	nformal Patent Application summary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowance	÷

Application/Control Number: 10/567,221 Page 2

Art Unit: 2624

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3 August 2009 has been entered.

Response to Amendment

2. This action is responsive to the amendments and remarks received 1 July 2009. Claims 1 - 5, 7 - 10, 12, 13, 15 and 17 - 19 are currently pending.

Specification

- 3. The amendment to the Specification filed on 1 July 2009 has been entered.
- 4. The objections to the specification are hereby withdrawn in view of the amendments to the specification received 1 July 2009.

Claim Rejections - 35 USC § 101

5. The rejections to claims 10, 12 - 15 and 17 - 19 under 35 U.S.C. 101 are hereby withdrawn in view of the amendments and remarks received 1 July 2009.

Application/Control Number: 10/567,221 Page 3

Art Unit: 2624

Claim Rejections - 35 USC § 112

6. The rejection to claim 20 under 35 U.S.C. 112, first paragraph, is hereby withdrawn in view of the cancellation of claim 20.

Allowable Subject Matter

- 7. Claims 1 5, 7 10, 12, 13, 15 and 17 19 (now renumbered 1 15) are allowed.
- 8. The following is an examiner's statement of reasons for allowance: the prior art does not anticipate, nor does it suggest, the combination as now claimed in the newly amended claims. Specifically, generating a three-dimensional model of a spatial structure, wherein a space point is reconstructed by evaluating other image points of further projection images that lie on a respective epipolar line and wherein gray scale values are projected on a projection line are added to form a sum profile having constructive superimposition of the gray values of multiple epipolar lines and averaging out the contributions of other vascular segments, thereby determining a space point of a vascular segment, is not taught nor suggested in the prior art. These element in combination with the remaining components of the independent claims are not taught nor are suggested by the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERIC RUSH whose telephone number is (571)270-3017. The examiner can normally be reached on 7:30AM - 5:00PM (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on (571) 272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Matthew C Bella/ Supervisory Patent Examiner, Art Unit 2624

/E. R./ Examiner, Art Unit 2624